Applicant(s)/Patent under Reexamination Application/Control No. Index of Claims 09/840,939 ABE ET AL. Examiner Art Unit Jamie Vent 2621 (Through numeral) Cancelled Rejected Non-Elected **Appeal** Allowed ŧ 0 Restricted Interference Objected

Claim		Date							Cl	aim	_	Date							٦	Cla	im	Date									
		Jale							<u> </u>	Claim			- Date								Date							\dashv			
<u></u>	Original									-	Original								-		=	Original									
Final	اِقِ ا									Final	ΪĒ				ı	- 1			- 1		Final	igi									
"	ŏ		- [1	İ				1 1	"	ŏ				-						╽╙╽	ŏ							ı	- 1	
\vdash	-	,	+	-	+	+	+	+-	+	-			\dashv	\dashv	\dashv		-		-	4	-			_	_		_		-	-	_
\vdash	1 2-	4	+	+	+	+-	-	+	+	-	51			_	_	-	\dashv	+	-	4		101		_	4				_	_	
	-2-	-	\dashv	-	+	+	+-	+	+	<u> </u>	52	\vdash	_	_	_	_	4	_	—	4		102					_		_	_	_
	3	4	4		+	+	┿-	+-	+		53	\perp	_	_	_	4	4	_	Щ.	4		103		4					_	_	
\vdash	4	+	_	-	+	4	_	\perp	\perp	-	54	Ш	_	_	_	_	_	4	_	4		104			_		_	_	_	_	
	5	11	\dashv	- -	_	_		_	11		55	Ш		_	_	_	\dashv		_	_[105		_						_	
\vdash	6	Ш	4	_	4	4	_	\bot	\perp		56				_		_	_		4		106		_					_	_	
\vdash	7	$\sqcup \downarrow \downarrow$	_	_	\perp	╀		-			57	Ш			_	_	4	_	Ц	1	ļ	107		_	_		_			_	
<u></u>	8	Ш	-	_	- -	╀		╄	44		58	Ш		\perp	_	\dashv	4			4		108			_				\Box	\perp	
	9	Ш	_	4-	\perp	┸	4_	┶	Ш		59				\perp	_	\perp			╛		109									
	10	Ш		4	4	┸	┷	1	\bot		60	Ш	_	_	_	_	_			_		110									
<u> </u>	11	Ш	_	_	4	\perp	\perp	\perp	$\perp \downarrow$	<u> </u>	61	Ш			_	\perp	\perp		\bot			111		[
<u> </u>	12	Ш			4	\perp	\perp	1	$\perp \perp$	L	62	Ш	_	\Box			_		_ _			112		[]						
	13	Ш		\perp	\perp	\perp	4	\perp	Ш	<u> </u>	63	Ш			\perp		_		\perp	4		113]					\Box	
	14	Ш	\perp	\perp	4	_	\perp	╙	$oldsymbol{\perp}$	<u> </u>	64				\Box]						114		$oldsymbol{\bot}$]					J	
\perp	15	Ш	_ _	\perp	┸	\perp		L	$oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{ol}}}}}}}}}}}}}}}}}}$		65	\square	I									115		\Box					J		_7
	16	Ш			L		\perp	Ĺ	$oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{ol}}}}}}}}}}}}}}}}}}}}$		66	\Box					\Box	$oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$				116		┚							\Box
	17	Ш	$oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{ol}}}}}}}}}}}}}}}}$				\perp	\perp			67					$_{ m J}$	_T	\Box				117		T							П
	18	Ш	Ι		$oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$		╧	L			68				┚	\Box			$oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$]		118									
	19	\coprod		$oldsymbol{\mathbb{I}}$	$oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{ol}}}}}}}}}}}}}}}$	Ι		\prod	\Box		69				╗]		119									
	20		$\Box T$			Ι	Ι	Γ	\prod		70					\exists	\neg		\top	7		120		\neg	\neg					寸	
	21	T	\Box	T	T	Т	T	T	П		71	П			一	1	1		\neg	1		121		\neg	\neg		\neg		\neg	T	┪
	22	V	丁		Т	Т		Τ	\top		72	П			ヿ	\neg	\neg	寸	T	1		122		\neg					\dashv	\dashv	\neg
7	23		П		1	Т	T	Т			73					ヿ	┪	十	\top			123		寸					i		\neg
	24			1	1	Т	1	Т			74					\neg	寸		十	1	1	124		寸						寸	
	25	~	寸		1	1	\top	┰			75		\neg	一	寸	7	寸	_		1		125		寸			┪		_	寸	\dashv
	26	1	7	十	1	十	\top	\top	\top		76			コ	ヿ	寸	寸	1		1		126		_	\neg		_		寸	\dashv	ᅱ
	27		7	┪	十	十	╅	T			77			\neg	\neg	_	寸	+	+-	1		127		\neg	\neg		\neg		\dashv	_	\dashv
	28		寸	十	\top	十	十	\top	1		78	\Box		\neg	\neg	_	7	\top	+	┪		128			\neg		\neg		\dashv	_	\dashv
	29	1	\top	十	+	十	十	T	\top		79	\vdash	_	\dashv	7	\dashv	十	_	+	┪		129		-	_	-	\dashv		+	\dashv	ᅥ
	30	V	\dashv	\top	十	╅		$^{+}$	\top		80	\vdash	\neg	1	\neg	十	十	+	+	┨	\vdash	130	\neg	\dashv		\dashv	\dashv		Ŧ	╅	\dashv
	-31	-	\dashv	╅	十	+	+	+	+-1	<u> </u>	81	Н	\neg	\dashv	\dashv	-+	_	+		┪		131	-	\dashv	-	-		-	\dashv	┪	\dashv
\vdash	32	7	\dashv	+	+-	+	+	+	+	<u> </u>	82	\vdash		\dashv	\dashv	\dashv	\dashv	\dashv	+	\dashv		132	\dashv		-	-			-	\dashv	\dashv
\vdash	33		+	+	+	+	+	+	+		83	\vdash		\dashv	\dashv	\dashv	\dashv	+	+	\dashv		133	-1		-	-	\dashv	\vdash	\dashv	\dashv	\dashv
\vdash	34	++	+	╅	+	+	+	+	╁┤		84	\vdash	\dashv	\dashv	\dashv	\dashv	\dashv	+	+	┨	-	134	\vdash		-	+	\dashv		\dashv	\dashv	\dashv
\vdash	35	+	+	+	+	+	+	╁	╁┤	-	85	\vdash	-	\dashv	-		+	+	╁	1	-	135	\dashv	\dashv		\vdash		\vdash	\dashv	\dashv	-
\vdash	36	++	十	十	+-	+	+	+	+		86	\vdash	\dashv	\dashv	-	\dashv	-+	+	+	\dashv	-	136	-		-	\vdash		\dashv	\dashv	-+	\dashv
\vdash	37		+	+	+	+	+	+	+	 	87	\vdash	-	-	\dashv	\dashv	\dashv	\dashv	+	\dashv	\vdash	137	\dashv	\dashv		\vdash	_	-	\dashv	\dashv	\dashv
\vdash	38	++	+	+	╁	+	+	╁	+	-	88	\vdash	\dashv	-	-	\dashv	\dashv	+	+	┨	\vdash	138	\dashv			H		\dashv	\dashv	\dashv	\dashv
\vdash	39	++	+	+	+	+	+	+-	+		89	\vdash	\dashv			\dashv	\dashv	+	+	+	\vdash	139	\dashv	-		\vdash	-		-	-+	\dashv
$\vdash \vdash$	40	++	+	+	+	+	+	+	+	-	90	\vdash		-	-		+	+	+	4	\vdash	140	-	-	\dashv			\dashv	-	\dashv	\dashv
	41		+	+	╁	+	+	╁	+	<u> </u>	91	\vdash	-	\dashv	\dashv	+	\dashv	+	+	4	\vdash	141	\dashv		-	$\vdash\vdash$			-	\dashv	
\vdash	42	+	+	+	+	+	+	╁	+	<u> </u>	92	\vdash		-	-	-+	-	+	+	+	\vdash	142		\dashv	-	$\vdash \vdash$		-		\dashv	-
$\vdash\vdash\vdash$	43	+	+	+	+	+	+	+-	+	<u> </u>	93	\vdash			-		+	+	+	-	\vdash	143			\dashv	\vdash		\dashv	\dashv	\dashv	
\vdash	43	H	+	+	+	+	+	╁	+	<u> </u>	94	\vdash		\dashv			\dashv	+	+	-	\vdash		\dashv				-	\vdash			-4
\vdash	45		-+	+	+	+	+-	+	+		95	\vdash		\dashv	-	-	-+	+	+	4	\vdash	144				Н	_	\dashv			_
\vdash		H	+	+	+-	+	+-	+	+	<u> </u>		\vdash				\dashv	-	+	+	4	<u> </u>	145	-		_	\square	_	\Box		_	4
\vdash	46	++	+	+	╬	+	+	+-	+	-	96	\vdash		-		\dashv	4	-	4.	4	\vdash	146	-	_		$\vdash \vdash$		\Box	_	_	_
	47	-	+	+	+-	+	+	+	+	<u> </u>	97	\vdash	_			\dashv	4	-	+	4	\vdash	147	Щ	_	_	Ш	_	Щ	\perp		_
\vdash	48	H	+	-	+	+	+-	+	4-1	—	98	\vdash		_	\dashv	_	4	4	4	4	\perp	148				Ш	\Box		\perp		_
\vdash	49	빘	_	+	+	+	+	\bot	4-4		99	\vdash			_	_	_	\bot	4_	4	<u> </u>	149		\Box		Ш		\Box	\perp		
1	50					\perp				L	100									ا	\Box	150								_1	